

AKC DNA Original Profile (201 SNP makers)

A Locus (Agouti) - Ay
 A Locus (Agouti) - aw/at
 A Locus (Agouti) - a
 As Locus (Saddle Tan)
 B Locus (Brown) - ba
 B Locus (Brown) - bc
 B Locus (Brown) - bd
 B Locus (Brown) - bs
 Brachycephaly
 Chondrodysplasia (CDPA)
 Co Locus (Cocoa, French Bulldog Type)
 Cu Locus (Curly Hair)
 D Locus (Dilute) - d1
 D Locus (Dilute) - d2
 E Locus (Yellow/Red)
 Eg Locus (Grizzle, Afghan Hound)
 Eh Locus (Sable, Cocker Spaniel)
 Em Locus (Melanistic Mask)
 H Locus (Harlequin, Great Dane)
 Hr Locus (FOXI3 Hairless Gene Test, Mexican/Peruvian Hairless & Chinese)
 I Locus (Intensity)
 IC Locus (Improper Coat/Furnishings)
 K Locus (Dominant Black)
 L Locus (Long Hair/Fluffy) - Lh1
 L Locus (Long Hair/Fluffy) - Lh2
 L Locus (Long Hair/Fluffy) - Lh4
 M Locus (Merle)
 Polydactyly
 S Locus (White Spotting, Parti, or Piebald)
 SD Locus (Shedding)
 Sex Determination - X
 Sex Determination - Y
 T Locus (Natural Bobtail)
 Acral Mutilation Syndrome (AMS, SN)
 Acute Respiratory Distress Syndrome (ARDS)
 Adult Paroxysmal Dyskinesia (PxD, cPxD)
 Alaskan Husky Encephalopathy (AHE)
 Alaskan Malamute Polyneuropathy (AMPN)
 Amelogenesis Imperfecta (AI, ARAO)
 Ataxia (Norwegian Buhund Type)
 Benign Familial Juvenile Epilepsy (BFJE)
 Canine Multiple System Degeneration (Chinese Crested) (CMSD)
 Canine Multiple System Degeneration (Kerry Blue Terrier) (CMSD, PNA)
 Canine Scott Syndrome (CSS)
 Catalase Deficiency
 Centronuclear Myopathy (CNM)
 Cerebellar Ataxia (Belgian Shepherd Type)
 Cerebellar Ataxia (Finnish Hound)
 Cerebellar Cortical Degeneration
 Cerebellar Degeneration (HA, CA)

Chondrodysplasia (Karelian Bear Dog & Norwegian Elkhound)
 Cleft Palate & Syndactyly (Nova Scotia Duck Tolling Retriever) (CP1, CLPS)
 Coagulation Factor VII Deficiency
 Collie Eye Anomaly (CEA, CH)
 Complement 3 Deficiency
 Cone Degeneration (CD)
 Cone Degeneration (German Shepherd Dog) (CD)
 Cone Degeneration (German Shorthaired Pointer) (CD)
 Cone Degeneration (Labrador Retriever) (CD)
 Congenital Hypothyroidism w/ Goiter (Terrier) (CHG)
 Congenital Methemoglobinemia
 Congenital Myasthenic Syndrome (Jack Russell Terrier) (CMS)
 Congenital Myasthenic Syndrome (Labrador Retriever) (CMS)
 Congenital Myasthenic Syndrome (Old Danish Pointer) (CMS)
 Congenital Stationary Night Blindness (CSNB, LCA)
 Craniomandibular Osteopathy (CMO)
 Cyclic Neutropenia (CH, CN)
 Cystinuria (Australian Cattle Dog)
 Cystinuria (Labrador Retriever)
 Cystinuria (Miniature Pinscher)
 Cystinuria (Newfoundland)
 Cystinuria Type 3 (Bulldog Risk Factor, Variants 1 & 2)
 Cystinuria Type 3 (Bulldog Risk Factor, Variant 3)
 Dandy-Walker-Like Malformation
 Degenerative Myelopathy (Common Variant) (DM)
 Degenerative Myelopathy (Bernese Mountain Dog Variant) (DM)
 Degenerative Myelopathy Modifier (Pembroke Welsh Corgi) (DM)
 Dental Hypomineralization
 Diffuse Cystic Renal Dysplasia & Hepatic Fibrosis
 Dilated Cardiomyopathy (Doberman Pinscher Risk Factor, Variant 1) (DCM)
 Dilated Cardiomyopathy (Doberman Pinscher Risk Factor, Variant 2) (DCM)
 Dilated Cardiomyopathy (Schnauzer) (DCM)
 Dry Eye Curly Coat Syndrome (CKSID)
 Dystrophic Epidermolysis Bullosa (DEB, EB, RDEB)
 Early Retinal Degeneration (ERD)
 Ectodermal Dysplasia (Chesapeake Bay Retriever) (ED)
 Ectodermal Dysplasia, X-Linked (Dachshund) (XLHED)
 Ectodermal Dysplasia, X-Linked (Shepherd) (XHED, XLED)
 Ehlers-Danlos Syndrome (Variant 1) (EDS)
 Ehlers-Danlos Syndrome (Variant 2) (EDS)
 Elliptocytosis
 Epidermolytic Hyperkeratosis
 Episodic Falling Syndrome (EDFS)
 Exercise-Induced Collapse (EIC)
 Factor XI Deficiency
 Familial Nephropathy (Cocker Spaniel) (FN, HN)
 Familial Nephropathy (English Springer Spaniel) (FN, HN)
 Fucosidosis
 Gallbladder Mucoceles

Glanzmann's Thrombasthenia (Great Pyrenees) (GT)
 Glanzmann's Thrombasthenia (Otterhound) (GT)
 Glaucoma (Border Collie Type) (PCAD)
 Globoid Cell Leukodystrophy (Irish Setter) (GLD)
 Globoid Cell Leukodystrophy (Terrier) (GLD)
 Glycogen Storage Disease Ia (GSD Ia, GSD1a)
 Glycogen Storage Disease IIIa (GSD IIIa)
 Glycogen Storage Disease VII (Wachtelhund) (GSD VII, PFK deficiency)
 Glycogen Storage Disease VII, PFK Deficiency (GSD VII, PFK deficiency)
 GM1 Gangliosidosis (Alaskan Husky)
 GM1 Gangliosidosis (Portuguese Water Dog)
 GM1 Gangliosidosis (Shiba Inu)
 GM2 Gangliosidosis (Japanese Chin)
 GM2 Gangliosidosis (Poodle)
 Greyhound Polyneuropathy
 Hemophilia A (Boxer Type)
 Hemophilia A (German Shepherd Dog, Type 1)
 Hemophilia A (German Shepherd Dog, Type 2)
 Hemophilia B (Cairn Terrier)
 Hemophilia B (Lhasa Apso)
 Hemophilia B (Rhodesian Ridgeback)
 Hereditary Cataracts (HC, JC)
 Hereditary Cataracts (Australian Shepherd) (HC, HSF4, JC)
 Hereditary Footpad Hyperkeratosis (Irish Terrier & Kromfohrländer)
 Hereditary Nasal Parakeratosis (HNPK)
 Hereditary Nasal Parakeratosis (Greyhound) (HNPK)
 Hereditary Nephritis (Samoyed) (AS, HN, XLHN)
 Hyperuricosuria (HUU)
 Hypomyelination (Weimaraner) (HYM, HS)
 Ichthyosis (American Bulldog)
 Ichthyosis (Golden Retriever Type 1)
 Ichthyosis (Golden Retriever Type 2)
 Ichthyosis (Great Dane)
 Inherited Myopathy of Great Danes (IMGD)
 Intervertebral Disc Disease & Chondrodystrophy (IVDD)
 Intestinal Cobalamin Malabsorption (Beagle) (I-GS)
 Intestinal Cobalamin Malabsorption (Border Collie)
 Juvenile Laryngeal Paralysis & Polyneuropathy (JLPP, POANV)
 Juvenile Myoclonic Epilepsy (Rhodesian Ridgeback)
 L-2-Hydroxyglutaric Aciduria (Staffordshire Bull Terrier) (I-2-HGA)
 Lagotto Storage Disorder (LSD)
 Late Onset Ataxia (LOA, SCA)
 Lethal Acrodermatitis (LAD)
 Leukocyte Adhesion Deficiency, Type I (CLAD, LAD-A)
 Leukocyte Adhesion Deficiency, Type III (CLAD, LAD-III)
 Ligneous Membranitis (LM)
 Lundehund Syndrome (LS)
 Macular Corneal Dystrophy (Labrador Retriever) (MCD)
 May-Hegglin Anomaly (MHA)
 Mucopolysaccharidosis I (MPS I)

Mucopolysaccharidosis IIIA (Dachshund) (MPS IIIA)
 Mucopolysaccharidosis IIIA (New Zealand Huntaway) (MPS IIIA)
 Mucopolysaccharidosis VII (Shepherd) (MPS VII)
 Multidrug Resistance 1 (MDR1)
 Multifocal Retinopathy 1 (CMR1)
 Multifocal Retinopathy 2 (CMR2)
 Multifocal Retinopathy 3 (CMR3)
 Muscular Dystrophy (Golden Retriever) (DMD, GRMD)
 Musladin-Lueke Syndrome (MLS)
 Myostatin Deficiency (Whippet & Longhaired Whippet)
 Myotonia Congenita (Australian Cattle Dog)
 Myotonia Congenita (Schnauzer)
 Myotubular Myopathy 1 (MTM1, XLMTM)
 Myotubular Myopathy 1 (Rottweiler) (MTM1, XLMTM)
 Narcolepsy (Dachshund)
 Narcolepsy (Doberman Pinscher)
 Narcolepsy (Labrador Retriever)
 Neonatal Cerebellar Cortical Degeneration (NCCD)
 Neonatal Encephalopathy w/ Seizures (NEWS)
 Neuroaxonal Dystrophy (Rottweiler) (NAD)
 Neuroaxonal Dystrophy (Spanish Water Dog) (NAD)
 Neuronal Ceroid Lipofuscinosis (Tibetan Terrier) (NCL)
 Neuronal Ceroid Lipofuscinosis 1 (NCL, NCL1)
 Neuronal Ceroid Lipofuscinosis 1 (Cane Corso) (NCL, NCL1)
 Neuronal Ceroid Lipofuscinosis 10 (NCL, NCL10)
 Neuronal Ceroid Lipofuscinosis 12 (NCL, NCL12)
 Neuronal Ceroid Lipofuscinosis 2 (NCL, NCL2)
 Neuronal Ceroid Lipofuscinosis 4A (NCL, NCL4A)
 Neuronal Ceroid Lipofuscinosis 5 (Australian Cattle Dog/Border Collie) (NCL, NCL5)
 Neuronal Ceroid Lipofuscinosis 5 (Golden Retriever) (NCL, NCL5)
 Neuronal Ceroid Lipofuscinosis 6 (NCL, NCL6)
 Neuronal Ceroid Lipofuscinosis 7 (NCL, NCL7)
 Neuronal Ceroid Lipofuscinosis 8 (Australian Shepherd) (NCL, NCL8)
 Neuronal Ceroid Lipofuscinosis 8 (Setter) (NCL, NCL8)
 Oculocutaneous Albinism (OCA)
 Oculocutaneous Albinism (Small Breed) (OCA)
 Osteochondrodysplasia
 Osteogenesis Imperfecta (Beagle) (OI)
 Osteogenesis Imperfecta (Dachshund) (OI)
 Osteogenesis Imperfecta (Golden Retriever) (OI)
 P2RY12 Receptor Platelet Disorder
 Pembroke Welsh Corgi Duchenne Muscular Dystrophy (DMD)
 Persistent Müllerian Duct Syndrome (PMDS)
 Polyneuropathy (Leonberger & Saint Bernard) (PN)
 Polyneuropathy (Leonberger Type 2) (PN, LPN2)
 Polyneuropathy w/ Ocular Abnormalities & Neuronal Vacuolation (POANV, WMS1)
 Pompe Disease (GSD II)
 Prekallikrein Deficiency
 Primary Ciliary Dyskinesia (PCD)
 Primary Hyperoxaluria (PH1)

Primary Lens Luxation (PLL)
 Primary Open Angle Glaucoma & Primary Lens Luxation (Shar Pei) (POAG/PLL)
 Primary Open Angle Glaucoma (POAG)
 Primary Open Angle Glaucoma (Basset Fauve de Bretagne) (POAG)
 Primary Open Angle Glaucoma (Basset Hound) (POAG)
 Primary Open Angle Glaucoma (Norwegian Elkhound) (POAG)
 Progressive Retinal Atrophy (Basenji) (PRA)
 Progressive Retinal Atrophy (Bullmastiff/Mastiff) (PRA-D)
 Progressive Retinal Atrophy (Giant Schnauzer) (PRA, PRA5)
 Progressive Retinal Atrophy (Irish Setter) (PRA-rcd1)
 Progressive Retinal Atrophy (Shetland Sheepdog) (CNGA1-PRA, PRA)
 Progressive Retinal Atrophy (Sloughi Type) (PRA-rcd1a)
 Progressive Retinal Atrophy, Cone-Rod Dystrophy (PRA-crd)
 Progressive Retinal Atrophy, Cone-Rod Dystrophy 1 (PRA-crd1)
 Progressive Retinal Atrophy, Cone-Rod Dystrophy 2 (PRA-crd2)
 Progressive Retinal Atrophy, Cone-Rod Dystrophy 4 (crd4/crd1) (PRA-crd4/crd1)
 Progressive Retinal Atrophy, Early Onset (Spanish Water Dog Type)
 Progressive Retinal Atrophy, Generalized (Gpra)
 Progressive Retinal Atrophy, Golden Retriever 1 (GR-PRA, GR1-PRA)
 Progressive Retinal Atrophy, Golden Retriever 2 (GR-PRA2, GR2-PRA)
 Progressive Retinal Atrophy, PRA1 (Papillon Type) (PRA, PRA1)
 Progressive Retinal Atrophy, PRA3 (Tibetan Terrier & Spaniel Type) (PRA3)
 Progressive Retinal Atrophy, PRCD (PRA-prcd, PRCD)
 Progressive Retinal Atrophy, Rod-Cone Dysplasia 3 (PRA-rcd3)
 Progressive Retinal Atrophy, Rod-Cone Dysplasia 4 (PRA-rcd4)
 Progressive Retinal Atrophy, X-Linked 1 (XLPRA1)
 Protein Losing Nephropathy - Variant 1 (PLN)
 Protein Losing Nephropathy - Variant 2 (PLN)
 Pyruvate Dehydrogenase Deficiency (PDP1)
 Pyruvate Kinase Deficiency (Basenji) (PKD)
 Pyruvate Kinase Deficiency (Beagle) (PKD)
 Pyruvate Kinase Deficiency (Labrador Retriever) (PKD)
 Pyruvate Kinase Deficiency (Pug Type) (PKD)
 Pyruvate Kinase Deficiency (Terrier) (PKD)
 Recurrent Inflammatory Pulmonary Disease (IPD)
 Renal Cystadenocarcinoma & Nodular Dermatofibrosis
 Retinal Dysplasia/Oculoskeletal Dysplasia 1 (OSD1, DRD1, RD/OSD1)
 Retinal Dysplasia/Oculoskeletal Dysplasia 2 (OSD2, DRD2, RD/OSD2)
 Sensory Neuropathy (Border Collie Type) (SN)
 Severe Combined Immunodeficiency Disease (Terrier) (SCID)
 Severe Combined Immunodeficiency Disease (Wetterhound) (SCID)

Severe Combined Immunodeficiency Disease, X-Linked (Basset Hound) (XSCID)
 Severe Combined Immunodeficiency Disease, X-Linked (Corgi) (XSCID)
 Shar-Pei Autoinflammatory Disease (SPAID)
 Skeletal Dysplasia 2 (SD2)
 Spinal Dysraphism
 Spinocerebellar Ataxia (SCA)
 Spondylocostal Dysostosis (SCD)
 Stargardt Disease (STGD)
 Startle Disease
 Thrombopathia (American Eskimo Dog)
 Thrombopathia (Basset Hound)
 Thrombopathia (Newfoundland)
 Trapped Neutrophil Syndrome (TNS)
 Urolithiasis (Native American Indian Dog)
 Van Den Ende-Gupta Syndrome (VDEGS)
 Von Willebrand Disease I (VWDI)
 Von Willebrand Disease II (VWDII)
 Von Willebrand Disease III (Kooikerhondje) (VWDIII)
 Von Willebrand Disease III (Scottish Terrier) (VWDIII)
 Von Willebrand Disease III (Shetland Sheepdog) (VWDIII)